

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0097543

Owner: Fred Weber, Inc.
Address: 2320 Creve Coeur Mill Road, Maryland Heights, MO 63043

Continuing Authority: Same as above
Address: Same as above

Facility Name: Fred Weber - Landfill & Compost
Address: 2320 Creve Coeur Mill Road, Maryland Heights, MO 63043

Legal Description: See page 2

Receiving Stream: See page 2
First Classified Stream and ID: See page 2
USGS Basin & Sub-watershed No.: See page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - Compost Area - SIC #1422
Storm water runoff.
Flow is dependent upon precipitation.

Outfall #002 - Landfill - SIC #2875
Storm water runoff.
Flow is dependent upon precipitation.

Outfall #003 - Compost Operation - SIC #1442
Storm water runoff.
Flow is dependent upon precipitation.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

July 12, 2002
Effective Date


Stephen M. Mahood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

July 11, 2007
Expiration Date
MO 780-0041 (10-93)

Director of Staff, Clean Water Commission

Outfall #001

Legal Description: U.S. Survey 992, T46N, R5E, St. Louis County
Receiving Stream: Fee Fee Creek (P)
First Classified Stream and ID: Fee Fee Creek (P) (01704)
USGS Basin & Sub-watershed No.: (10300200-130004)

Outfall #002

Legal Description: U.S. Survey 1891, T46N, R5E, St. Louis County
Receiving Stream: Tributary to Missouri River (U)
First Classified Stream and ID: Missouri River (P) (01604)
USGS Basin & Sub-watershed No.: (10300200-180001)

Outfall #003

Legal Description: U.S. Survey 283, T46N, R5E, St. Louis County
Receiving Stream: Tributary to Missouri River (U)
First Classified Stream and ID: Missouri River (P) (01604)
USGS Basin & Sub-watershed No.: (10300200-180001)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 5	
					PERMIT NUMBER MO-0097543	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001 & #003</u>						
Flow	MGD	*		*	**	24 hr. estimate
Biochemical Oxygen Demand ₅	mg/L	60		45	once/quarter***	grab
Total Suspended Solids	mg/L	30		15	once/quarter***	grab
pH - Units	SU	****		****	once/quarter***	grab
<u>Outfall #002</u>						
Flow	MGD	*		*	**	24 hr. estimate
Biochemical Oxygen Demand ₅	mg/L	45		30	once/quarter***	grab
Chemical Oxygen Demand	mg/L	120		90	once/quarter***	grab
Settleable Solids	mL/L/hr	1.5		1.0	once/quarter***	grab
Total Dissolved Solids	mg/L	*		*	once/quarter***	grab
Conductivity (Specific Conductance)	umhos/cm	*		*	once/quarter***	grab
Chloride Plus Sulfates	mg/L	1000		*	once/quarter***	grab
Iron, Total Recoverable	mg/L	*		*	once/quarter***	grab
pH - Units	SU	****		****	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2002</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 4 of 5	
					PERMIT NUMBER MO-0097543	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #002</u> (continued)						
Calcium	mg/L	*		*	once/year*****	grab
Fluoride	mg/L	*		*	once/year*****	grab
Total Hardness	mg/L	*		*	once/year*****	grab
Barium, Total Recoverable	mg/L	*		*	once/year*****	grab
Boron, Total Recoverable	mg/L	*		*	once/year*****	grab
Cadmium, Total Recoverable	mg/L	*		*	once/year*****	grab
Chromium, Total Recoverable	mg/L	*		*	once/year*****	grab
Cobalt, Total Recoverable	mg/L	*		*	once/year*****	grab
Copper, Total Recoverable	mg/L	*		*	once/year*****	grab
Sodium, Total Recoverable	mg/L	*		*	once/year*****	grab
Ammonia as N	mg/L	*		*	once/year*****	grab
Nitrate & Nitrite as N	mg/L	*		*	once/year*****	grab
Phosphorus, Total Recoverable	mg/L	*		*	once/year*****	grab
Mercury, Total Recoverable	mg/L	*		*	once/year*****	grab
Arsenic, Total Recoverable	mg/L	*		*	once/year*****	grab
Lead, Total Recoverable	mg/L	*		*	once/year*****	grab
Selenium, Total Recoverable	mg/L	*		*	once/year*****	grab
Silver, Total Recoverable	mg/L	*		*	once/year*****	grab
Manganese, Total Recoverable	mg/L	*		*	once/year*****	grab
Magnesium, Total Recoverable	mg/L	*		*	once/year*****	grab
Zinc, Total Recoverable	mg/L	*		*	once/year*****	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Records shall be kept of all pumping events indicating the volume of discharge. Pumping time can be used to calculate this volume if up-to-date pump curves are developed.
- *** Sample once per quarter during the months of March, June, September, and December.
- **** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- ***** Annual sampling results shall be presented with the last quarterly monitoring report of each year. Sample should be performed during September if possible.

C. SPECIAL CONDITIONS (continued)

1. Report as no-discharge when a discharge does not occur during the report period.
2. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
3. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
4. All outfalls must be clearly marked in the field.

Date of Fact Sheet: March 19, 2002

Date of Public Notice: May 24, 2002

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
FACT SHEET

This Fact Sheet explains the applicable regulations and rationale for development of this permit and the public participation process.

NPDES PERMIT NUMBER: MO-0097543

FACILITY NAME: Fred Weber, Inc. - Landfill & Compost(formerly North Quarry)

OWNER NAME: Fred Weber, Inc.

LOCATION: 2320 Creve Coeur Mill Road, Maryland Heights, MO 63043

RECEIVING STREAM: Fee Fee Creek, and a tributary to Missouri River

FACILITY CONTACT PERSON: David J. Murnan TEL (314) 344-0070

FACILITY DESCRIPTION AND RATIONALE

This facility is a municipal solid waste landfill with composting operations. (At this location, there is also a quarry, which was previously permitted under this permit. The owners obtained a separate permit MO-G490808 for the outfalls #004, #005, #006 and the portions of #001 and #003, which contained runoff from the quarry operations.) Outfall #001 discharges to Fee Fee Creek. Outfalls #002 and #003 discharge to the Riverport Drainage System which feeds to the Missouri River. At present Outfall #002 does not discharge. Currently the landfill does not discharge stormwater as the elevation of the landfill is below the elevation of the quarry pit rim. Presently all rain water received at this location is collected and pumped to MSD.

This permit will be issued for a period of five years.